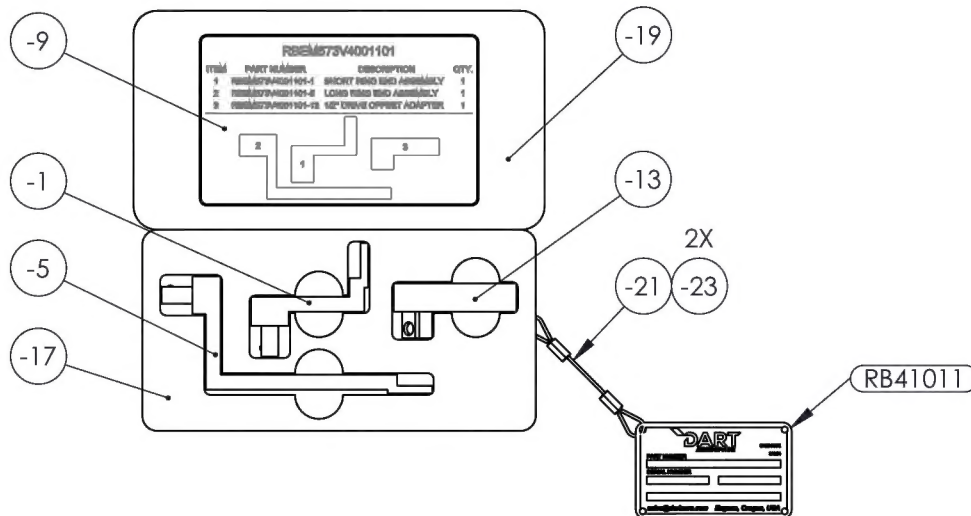


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	5/13/2016	DPD	JAG
2	17-0008	-3 CH'D ENGRAVE NOTE WAS "RBEM673V4001101-3" IS "RBEM673V4001101-1". -7 CORRECTED SPELLING WAS TORQUE IS TORQUE. -17 & -19 CH'D MATERIAL & VENDOR WAS Y20, BLACK (I.L.R. SPECIALTY) IS ETHAFOAM 220, BLACK (CASE SOLUTIONS). -17 DELETED DIM 4X R.19, ADDED DIM 4X 45°, 4X .50. -19 DELETED DIM 4X R.25, ADDED DIM 4X 30°, 4X .75. -21 & -23 ADDED.	4/14/2017	RJC	JAG



ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	SHORT RING END ASSEMBLY			2
	1		-3		SHORT RING END	4140/4142		3
X			-5	1	LONG RING END ASSEMBLY			4
1			-7		LONG RING END	4140/4142		5
			-9	1	CONTENTS PLACARD	PLASTIC		6
1	1	B/O	-11		PLUNGER	S.S.	Ø.12 NOSE X Ø.157 BODY X .23 OAL (MCMASTER-CARR #84895A71)	2 & 4
		B/O	-13	1	1/2" DRIVE OFFSET ADAPTER	STEEL	1/2" DRIVE OFFSET ADAPTER (FACOM #S.234, ULTIMATE GARAGE #S.234)	1
		B/O	-15	1	CASE	PLASTIC	PELICAN #APP-1060-E	N/S
		B/O	-17	1	BOTTOM FOAM	ETHAFOAM 220, BLACK	1.40 X 4.19 X 8.19 (CASE SOLUTIONS)	7
		B/O	-19	1	TOP FOAM CUSHION	ETHAFOAM 220, BLACK	.83 X 4.56 X 8.56 (CASE SOLUTIONS)	8
		B/O	-21	1	LANYARD	COATED STEEL	Ø1/16 X 3 (CARR LANE #CL-2-C)	1
		B/O	-23	2	FERRULE	ALUMINUM	Ø1/16 X 3/8 (MCMASTER-CARR #3896T31)	1
		B/O		1	PLACARD	ALUMINUM	RB41011	1
ASSY -5	ASSY -1							

NOTE:
REF. AIRBUS T/N: M673V4001101.



TITLE
TAIL SERVO CONTROL TORQUE WRENCH

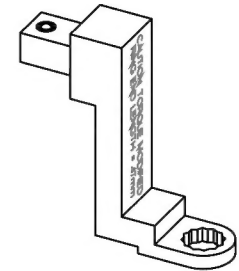
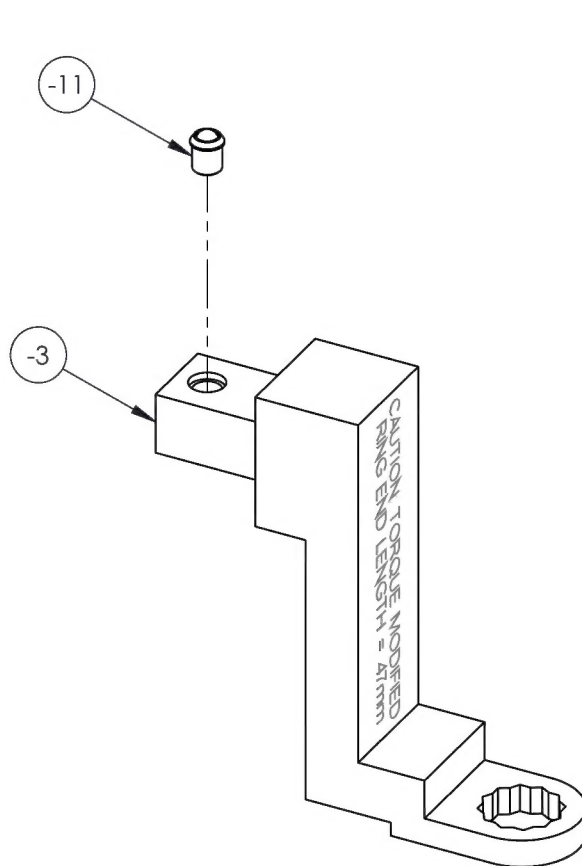
DWG NO. RBEM673V4001101

REV 2

MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:4	USED ON MODEL
DATE 3/2/2016	H175
	SHEET 1 OF 8

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



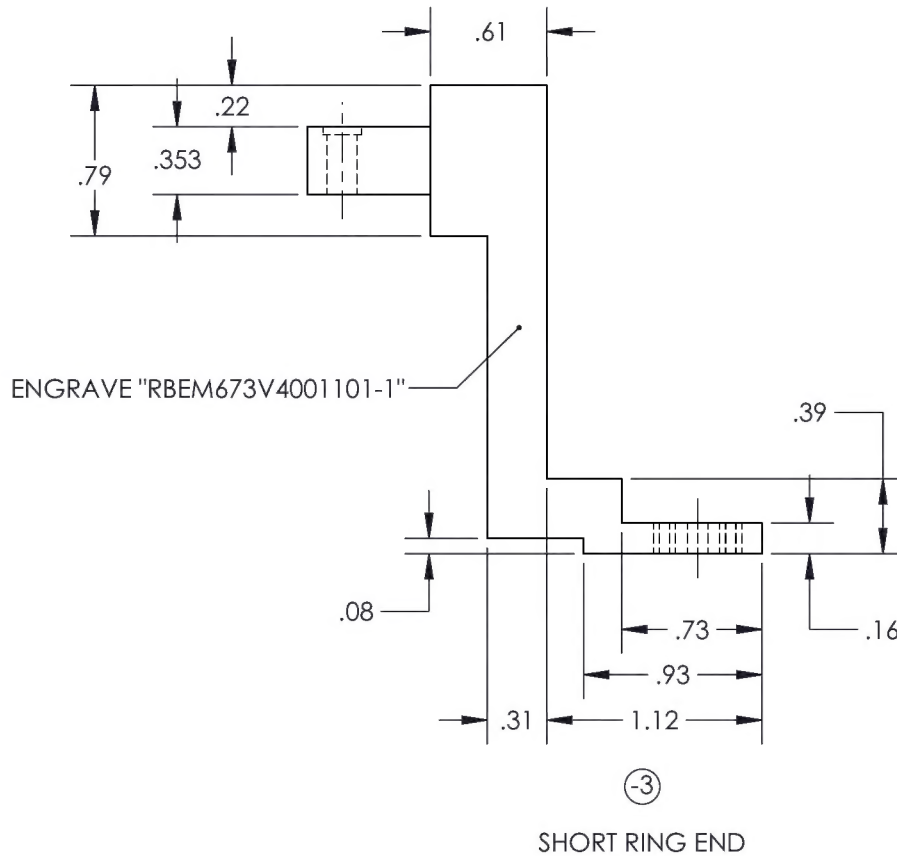
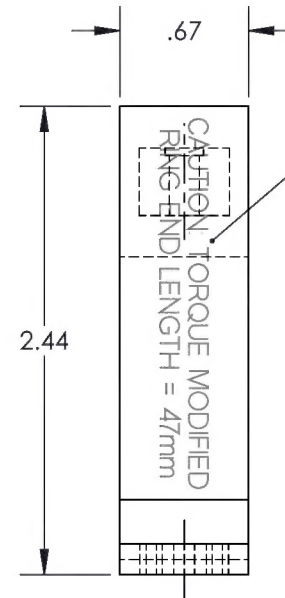
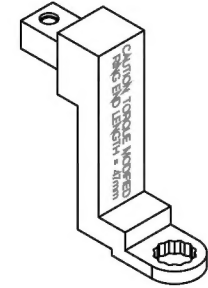
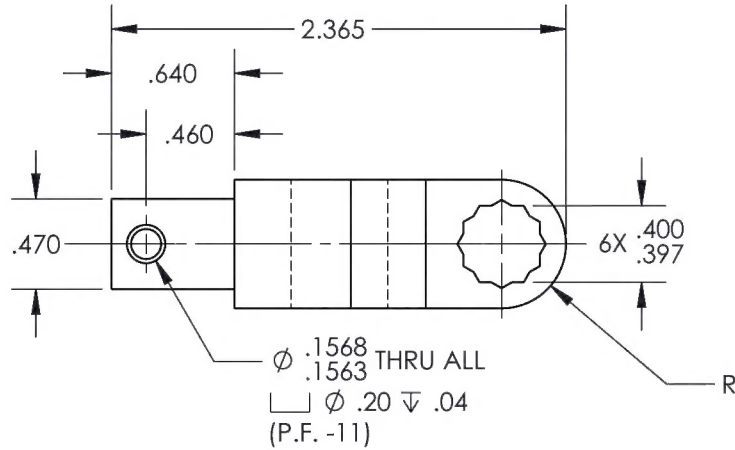
(-1)

SHORT RING END ASSEMBLY

DART AEROSPACE	
TITLE TAIL SERVO CONTROL TORQUE WRENCH	
DWG NO. RBEM673V4001101-1	REV 2
MAT'L	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 3/2/2016
	SHEET 2 OF 8

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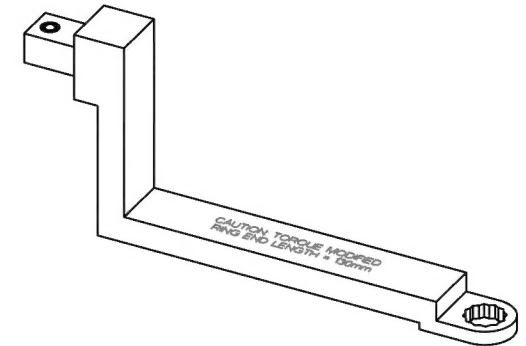
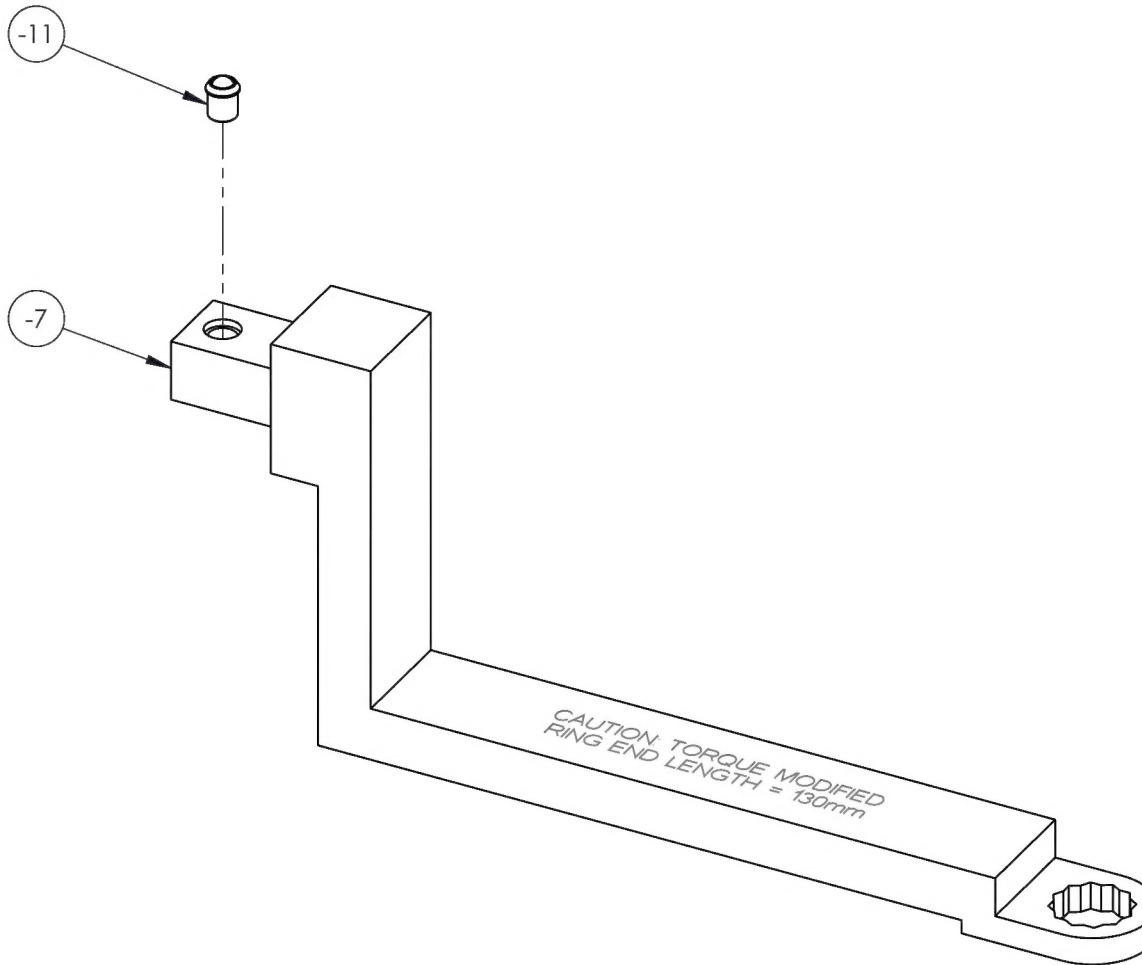
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0008	-3 CH'D ENGRAVE NOTE WAS "RBEM673V4001101-3" IS "RBEM673V4001101-1".	4/14/2017	RJC	JAG



DART AEROSPACE	
TITLE TAIL SERVO CONTROL TORQUE WRENCH	
DWG NO. RBEM673V4001101-3	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT RC 38-42	.XXX \pm .005 FRACTIONS \pm 1/8
FINISH ZINC PLATE	.XX \pm .01 ANGLES \pm 5°
SPEC ASTM B633 TYPE I SC 2	.X \pm .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:1	DATE 3/2/2016
SHEET 3 OF 8	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



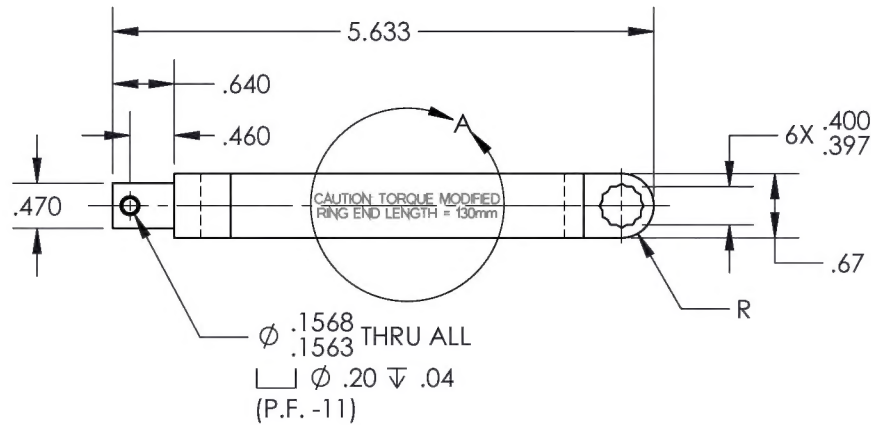
(-5)

LONG RING END ASSEMBLY

DART AEROSPACE	
TITLE TAIL SERVO CONTROL TORQUE WRENCH	
DWG NO. RBEM673V4001101-5	REV 2
MAT'L REAT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:1	DATE 3/2/2016
SHEET 4 OF 8	

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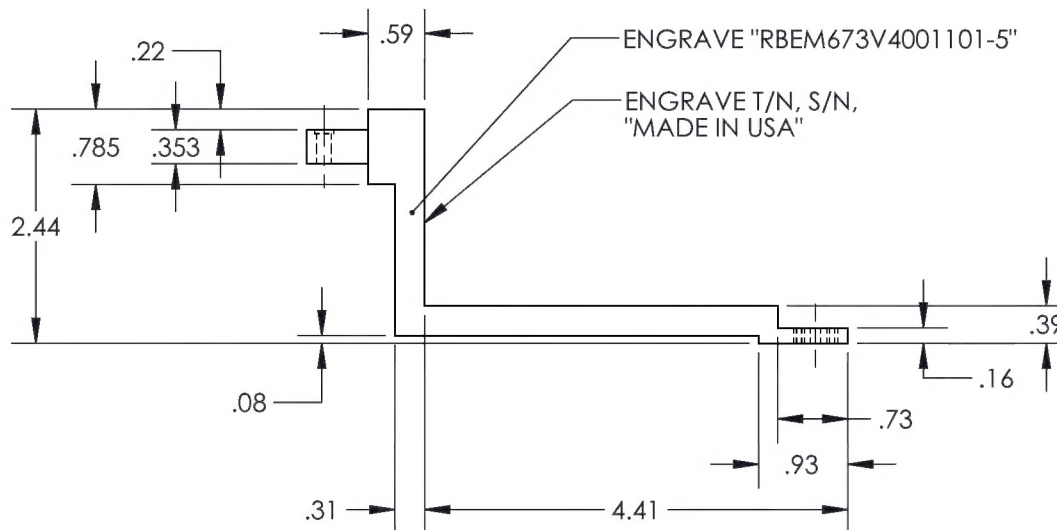
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0008	-7 CORRECTED SPELLING WAS TORQE IS TORQUE.	4/14/2017	RJC	JAG



MACHINE ENGRAVE
AS SHOWN, .10 TEXT

CAUTION: TORQUE MODIFIED
RING END LENGTH = 130mm

DETAIL A
SCALE 1 : 1



(7)
LONG RING END

DART AEROSPACE	
TITLE TAIL SERVO CONTROL TORQUE WRENCH	
DWG NO. RBEM673V4001101-7	REV 2
MAT'L 4140/4142 HEAT TREAT RC 38-42 FINISH ZINC PLATE SPEC ASTM B633 TYPE I SC 2	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT CHECKED: CLOUGH OPPTS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
USED ON MODEL H175	
SCALE 1:2	DATE 3/2/2016
SHEET 5 OF 8	

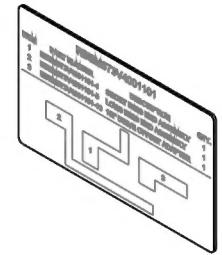
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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

BLACK BACKGROUND WITH
WHITE LINES AND LETTERS

4X R .13

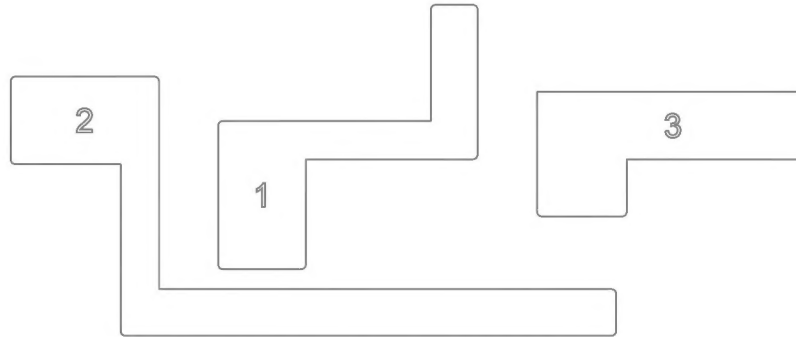
.06



RBEM673V4001101

ITEM	PART NUMBER	DESCRIPTION	QTY.
1	RBEM673V4001101-1	SHORT RING END ASSEMBLY	1
2	RBEM673V4001101-5	LONG RING END ASSEMBLY	1
3	RBEM673V4001101-13	1/2" DRIVE OFFSET ADAPTER	1

3.50



5.75

NOTE:
USE PDF.



TITLE
TAIL SERVO CONTROL TORQUE WRENCH

DWG NO. RBEM673V4001101-9 REV. 2

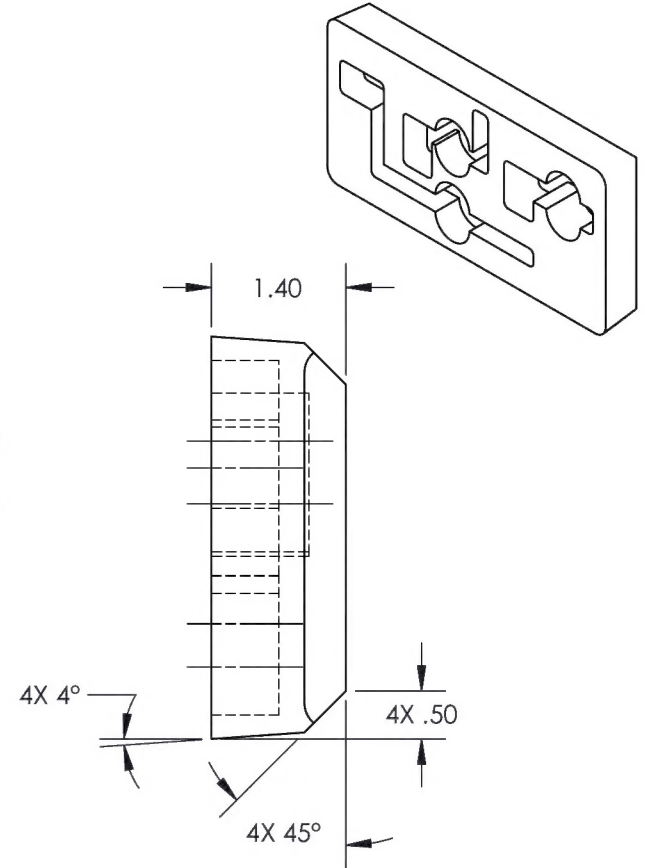
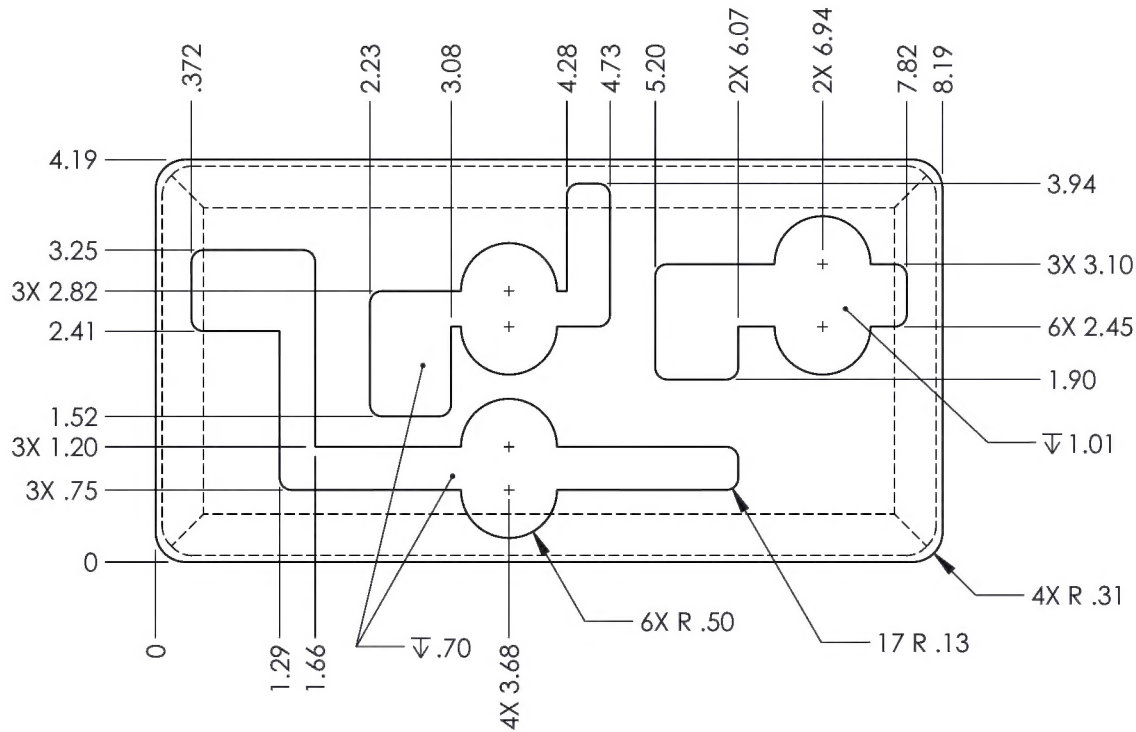
MAT'L PLASTIC		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .010 FRACTIONS ± 1/8	
SPEC		.XX ± .03 ANGLES ± 1°	
DRAWN BY: DUERFELDT		.X ± .1 SURFACES = 125°	
CHECKED: CLOUGH		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY	
APPROVED: GILBERT		AFTER PLATING	
SCALE 1:1		3. INTERPRET DIM AND TOL PER	
DATE 3/2/2016		ASME Y14.5M-2009	
		USED ON MODEL	
		H175	
		SHEET 6 OF 8	

(-9)

CONTENTS PLACARD

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0008	-17 DELETED DIM 4X R.19, ADDED DIM 4X 45°, 4X .50. CH'D MATERIAL & VENDOR WAS Y20, BLACK (I.R. SPECIALTY) IS ETHAFOAM 220, BLACK (CASE SOLUTIONS).	4/14/2017	RJC	JAG



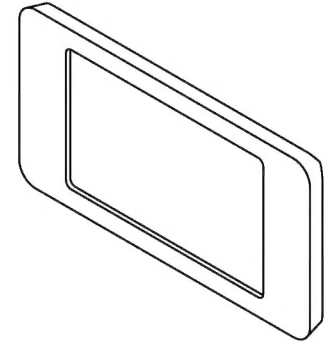
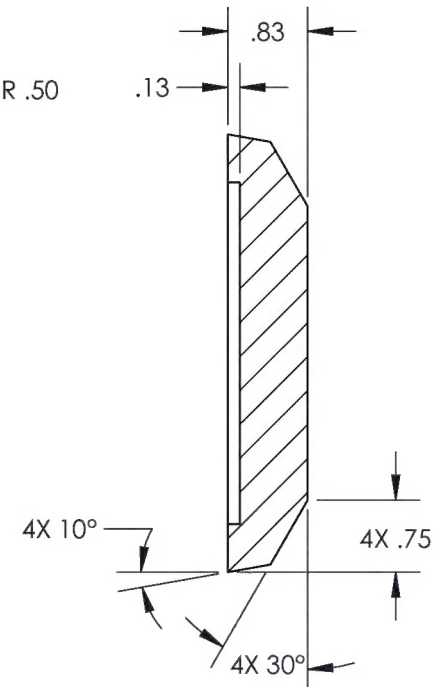
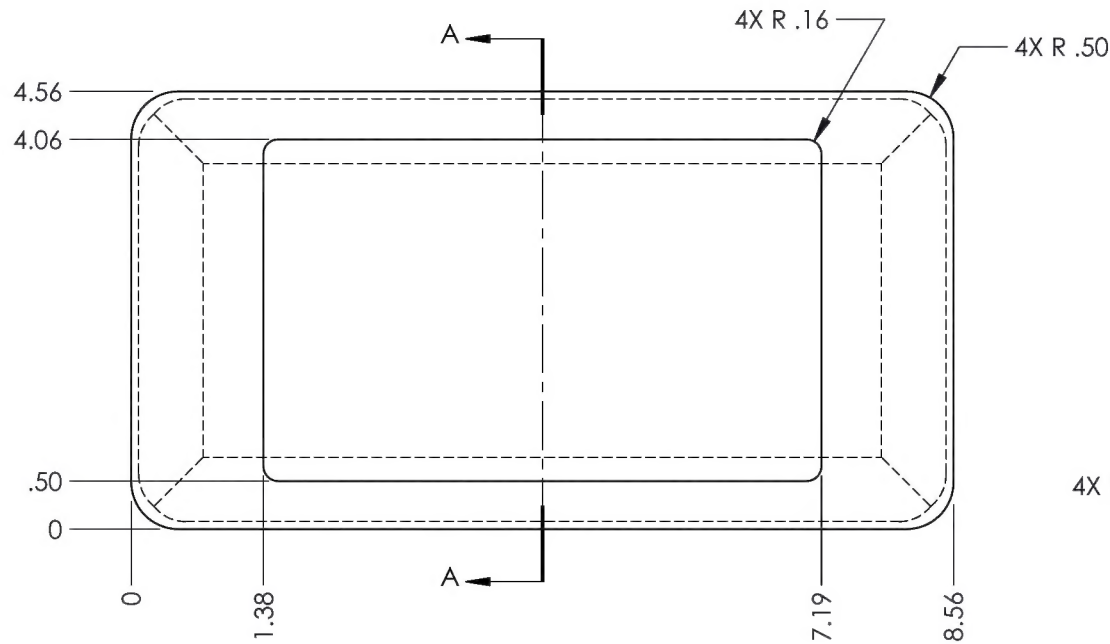
(-17)

BOTTOM FOAM

DART AEROSPACE	
TITLE TAIL SERVO CONTROL TORQUE WRENCH	
DWG NO. RBEM673V4001101-17	REV 2
MAT'L ETHAFOAM 220, BLACK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125°	
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL H175
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 3/2/2016
SHEET 7 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0008	-19 DELETED DIM 4X R.25, ADDED DIM 4X 30°, 4X .75, CH'D MATERIAL & VENDOR WAS Y20, BLACK (I.R. SPECIALTY) IS ETHAFOAM 220, BLACK (CASE SOLUTIONS),	4/14/2017	RJC	JAG



SECTION A-A

(-19)

TOP FOAM CUSHION

DART AEROSPACE	
TITLE TAIL SERVO CONTROL TORQUE WRENCH	
DWG NO. RBEM673V4001101-19	REV 2
MAT'L ETHAFOAM 220, BLACK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125°	
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 3/2/2016
SHEET 8 OF 8	